



At  
The College of NJ  
Ewing, NJ

# TCF-2009 Saturday Talks & Forums — 25 April 2009 10am – 5pm

NOTE: Saturday IEEE Region 1 Student (FH-223) & GOLD (FH-224) Conference Runs 10am—5pm. See Separate Schedule in Program Book.

|                          | FH-132                                                                                                                                                         | FH-110                                                               | FH-130                                                        | FH-134                                                            | FH-226                                                             | FH-201                                                                  | FH-202                                                              | FH-203                                                                    | FH-204                                                                                                                          | FH-205                                                                                                                  | FH<br>Forcina Halls                                                                                 | Forcina Lobby<br>Holman Lobby             |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|---------------------------------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------------------|-------------------------------------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-------------------------------------------|
| Saturday                 | Internet                                                                                                                                                       | Social<br>Networking                                                 | Digital TV<br>& Special                                       | Media &<br>Video                                                  | New<br>Technology                                                  | Education                                                               | Hardware                                                            | Software                                                                  | Apps                                                                                                                            | Amateur<br>Radio                                                                                                        | Workshop                                                                                            | Exhibits                                  |
| 10:15am<br>to<br>11:10am | Workshop<br>on<br>Remote Control<br>over the Internet<br><i>D. Odrobina</i>                                                                                    | Virtual Worlds<br>for People with<br>Disabilities<br><i>K. Smith</i> | All About<br>HDTV<br><i>C. Lewart</i>                         | Video Production<br>with Open-<br>Source Tools<br><i>S. Frase</i> | Wireless<br>Localization with<br>Marauder's Map<br><i>A. Barry</i> | Scratch and<br>Processing:<br>Graphics<br>Programming<br><i>U. Wolz</i> | Controlling the<br>World with PICs<br><i>P. Bergsman</i>            | Getting Started:<br>PCs, Internet &<br>Digital Photos<br><i>H. Hinitz</i> | Using <i>RESTful</i><br>Web Services<br><i>M. Barlow</i>                                                                        | The Apollo<br>Guidance<br>Computer<br><i>F. O'Brien</i>                                                                 |                                                                                                     | <b>Special<br/>Exhibits<br/>and Demos</b> |
| 11:20am<br>to<br>12:15pm |                                                                                                                                                                | How to do<br>Webinars<br><i>J. Budelis</i>                           | DTV<br>Transition<br><i>J. DeGood</i>                         | Advances<br>in Digital<br>Photography<br><i>S. Mochalla</i>       | What's New in<br>Video Games<br>2009<br><i>R. Amidon</i>           | Best Web Sites,<br>Search Engines<br>& Software<br><i>E. Kaplan</i>     | Rolling Your Own<br>Printed Circuit<br>Boards<br><i>P. Bergsman</i> | Should you<br>Upgrade to<br>Windows 7?<br><i>D. Soll</i>                  | Workshop on<br>Web App<br>Development<br>Using <i>RESTful</i><br>Web Services &<br>Open-Source<br>Libraries<br><i>M. Barlow</i> | <b>Ham Radio<br/>License Testing<br/>and Information</b><br>Ham Info from<br>11:20am to<br>12:40pm<br>in Room<br>FH-205 | <b>11:20am-1:20pm<br/>Circuit Bending<br/>Workshop</b><br><i>K. Meredith<br/>and<br/>R. Mercuri</i> | Wireless<br>Technologies                  |
| 12:25pm<br>to<br>1:20pm  | Safe Computing<br>in the<br>Wireless Home<br><i>R. Gezelter</i>                                                                                                | Twitter 101<br><i>R. Graham</i>                                      | DTV<br>Antenna<br>Workshop<br><i>J. DeGood</i>                | Tools for the<br>Digital Artist<br><i>L. Judice</i>               | PISCES:<br>Open-Source<br>Electric Vehicles<br><i>D. Corbino</i>   | Project-based<br>Learning<br><i>D. Odrobina</i>                         | Workshop<br>on<br>Upgrading<br>Your Router<br><i>D. Ferguson</i>    | Linux Desktop<br>Report Card<br><i>B. Quigley</i>                         |                                                                                                                                 | Ham Radio<br><b>License Exam</b><br>Begins<br>Promptly at<br>1:00pm<br>in Room<br>FH-205                                | **In Forcina<br>Back Lobby                                                                          | Robotics &<br>Micromouse<br>Contests      |
| 1:30pm<br>to<br>2:25pm   | Exquisite<br>Artwork Using<br>Open-Source<br>Software<br><i>J. LeMasney</i>                                                                                    | Online<br>Communities &<br>Diabetes<br><i>B. Bell</i>                | <b>Microsoft's<br/>New<br/>Windows 7</b><br><i>P. Laudati</i> | Digital Video<br>Effects<br><i>O. Rivera</i>                      | Asterisk PBX/<br>Phone Server<br><i>J. Terranova</i>               | Web<br>Accessibility for<br>Educators<br><i>K. Smith</i>                |                                                                     | Introduction to<br>Object-Oriented<br>Programming<br><i>M. Redlich</i>    | Why You Simply<br>Must Time the<br>Stock Market<br><i>D. Fishbein</i>                                                           |                                                                                                                         |                                                                                                     | Electronic<br>Music                       |
| 2:35pm<br>to<br>3:30pm   | <b>Featured Keynote Speaker: Dr. Alain Kornhauser, Princeton University,</b><br><b>will talk on "DARPA Challenge—Cars that Can Drive Themselves" in FH-134</b> |                                                                      |                                                               |                                                                   |                                                                    |                                                                         |                                                                     |                                                                           |                                                                                                                                 |                                                                                                                         |                                                                                                     |                                           |
| 3:40pm<br>to<br>4:35pm   | Project<br>Management<br>Opportunities<br><i>D. Hsu</i>                                                                                                        | Working—<br>Tips to<br>Survive & Thrive<br><i>B. Prasanna</i>        | Telematics<br>Update<br><i>J. Jesson</i>                      | Podcasting<br>for \$\$<br><i>M. Smith</i>                         | Build Your Own<br>Car Computer<br><i>J. Mikusi</i>                 | Introduction<br>to Machine<br>Learning<br><i>H. Dutta</i>               | Build Your Own<br>Home Theater<br><i>M. Streitman</i>               | Java<br>Programming<br>Workshop<br><i>M. Redlich</i>                      | The Vintage<br>Computing<br>Hobby<br><i>E. Koblenz</i>                                                                          |                                                                                                                         |                                                                                                     | <b>Special Exhibits<br/>(Con't)</b>       |

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10am – 4pm

## TCF-2009 Sunday Talks & Forums — 26 April 2009

|                          | FH-132                                                                 | FH-226                                                                | FH-130                                                   | FH-134                                                                                   | FH-110                                                                        | FH - Forcina Lobby<br>HH - Holman Lobby |
|--------------------------|------------------------------------------------------------------------|-----------------------------------------------------------------------|----------------------------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|-----------------------------------------|
| Sunday                   | Technology                                                             | Applications                                                          | Software                                                 | Apple/Mac                                                                                | Internet                                                                      | Exhibits                                |
| 10:30am<br>to<br>11:30am | Why You Simply Must<br>Time the Stock Market<br><i>D. Fishbein</i>     | Controlling the World<br>with PICs<br><i>P. Bergsman</i>              | Should you<br>Upgrade to<br>Windows 7?<br><i>D. Soll</i> | <b>iWork '09:</b> Impressive<br>Docs, Spreadsheets &<br>Presentations<br><i>D. Marra</i> | Internet<br>Job\$\$\$<br><i>D. Hsu</i>                                        | <b>Special Exhibits<br/>and Demos</b>   |
| 11:40am<br>to<br>12:40pm | How to Do Webinars<br><i>J. Budelis</i>                                | Rolling Your Own<br>Printed Circuit Boards<br><i>P. Bergsman</i>      | APRS<br><i>B. Boccardi</i>                               | <b>Mac OS X v. 10.5</b><br>Leopard<br><i>D. Marra</i>                                    | Getting a Job as<br>a C#.NET<br>Programmer<br><i>D. Hsu</i>                   | Wireless<br>Technologies                |
| 12:50pm<br>to<br>1:50pm  | Digital TV Changeover:<br>What You Need to Know<br><i>R. Schroeder</i> | Exquisite Artwork Using<br>Open-Source Software<br><i>J. LeMasney</i> | Introduction<br>to C++<br><i>M. Redlich</i>              | <b>Mac/Windows<br/>Compatibility</b><br><i>D. Marra</i>                                  | Best Web Sites,<br>Search Engines<br>& Software<br><i>E. Kaplan</i>           | Robotic &<br>Electronic Contests        |
| 2:00pm<br>to<br>3:00pm   | Intro. to Software<br>Defined Radio<br><i>A. Katz</i>                  | The Apollo<br>Guidance<br>Computer<br><i>F. O'Brien</i>               | C++<br>Advanced Features<br><i>M. Redlich</i>            | <b>iLife '09</b><br>Creating<br>Digital Multimedia<br><i>D. Marra</i>                    | Why Computer<br>Programming is<br>Not Quite Math<br><i>D. &amp; A. Mihram</i> | Electronic Music                        |
|                          |                                                                        |                                                                       |                                                          |                                                                                          |                                                                               | Historic                                |
|                          |                                                                        |                                                                       |                                                          |                                                                                          |                                                                               | Clubs                                   |
|                          |                                                                        |                                                                       |                                                          |                                                                                          |                                                                               | Multimedia<br>Computing                 |

### Featured Speakers

**Dr. Alain Kornhauser**  
**Featured Banquet Speaker**  
on Saturday, 6:00 pm, Rm. BSC-202E  
**"Computers in Transportation:  
From Navigation to Automation"**

### Poster Sessions

| Saturday                                                                                                                                                                         | Sunday                                                                                                                                                                                                                                                                                             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>11:20am - 1:20pm</b><br>• A Marauder's Map<br>Implementation<br><i>Andrew Barry</i><br>Olin College<br>• Digital TV is not<br>all HDTV<br><i>Jacob Freedman</i><br>Consultant | <b>11:20am - 1:20pm</b><br>• Online Communities in<br>Diabetes Management<br><i>Brenda Bell</i><br>• About CFL Bulbs - Save<br>\$\$ & the Environment<br><i>Quincey Xavier</i> ,<br><i>Project Porchlight</i><br>• Digital TV is not all HDTV<br><i>Jacob Freedman</i><br>(Jacob Starts at 2:00pm) |

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[www.tcf-nj.org](http://www.tcf-nj.org)